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Calculation of the Separating Chamber of Column
Extractors With Perforated Plates, by A. N.
Planovskiy, O. N. Balatov, 4 pp.

RUSSIAN, part, Khimicheskaya Mashinostroyeniye, Vol III,
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Relationship Between Mass Transfer and Liquid Resistance on Bubble-Cap and Sieve Trays, by A. N. Planovskiy, et al.

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Apr 60

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~~ISSUED~~ per, Org Khim Prom, Vol VII, 1940, pp
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Sci - Chem

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Sodium Reactor Loop on Irradiation of a Fisfile Needle,
by H. Langmuir.

FRENCH, F. P., Grenoble, Oct 1964.

•AEC, ORNL

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The Antigenicity of Phosphorylated Fatty Acid
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2-3, pp. 154-162.

*PL 480
OTS 61-11260

1961

Electrical Connections by Contact of Ordinary
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FRENCH, per Bull. Sc. fr. Electns. Vol. 9, 1959
pp 504-516
QB 153/1356

P. PLANTE

Sci -
Aug 67

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F. J. Plantema.

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Scientific - evaluation, observations

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Feb, p. 13-16.

DESCRIPTORS: *Engineering personnel, *Industrial
psychology, Behavior, Leadership,

(Behavioral Sciences--Personnel, TT, v. 11, no. 4)

TT-64-10043

I. Planus, P.

10043

Office of Technical Services

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GERMAN, per, Deutsche Keramische Gesellschaft,

Vol. 40, No. 3, 1963, pp 186-190.

CSIRO/No. 6639

J PLANZ

Sci -

July 1967

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pour la fabrication du cuir, a l'aide de substances
marquees, by R. Heyden, J. Plapper, et al, 31 pp.
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P. Pias, J. Bourdinand, 7 pp.

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No 1, First Quarter 1953, pp 5-10. CIA D 538512

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of the Work Test, the Flack Test, and the Anoxemia
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Pathological Significance of Certain Disturbances
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538512

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Tests, by F. Plas, L. Tabasse, J. Bourdinaud,
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Testing the Right Heart by the Controlled Expiratory
Positive Pressure Test, by J. Celice, F. Plas,
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Clinical Research on the Subject of a Test on
Aviator's Fatigue, by R. Monjeux, P. Plas, G. and
J. Verdeaux, J. Bordinand, A. Hassenard and R.
LaFevre, 6 pp. UNCLASSIFIED

Full translation.

FRENCH, Center of Medical Examination of Navigator
Personnel and Selective Service and Professional
Orientation of the Air Force (French), Paris, France.

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Sci - Aeronautics

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With the Leadership Role of the Marxist-Leninist
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US JPRS/DC-L-784

EE - Albania

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The Great October Socialist Revolution and Albania,
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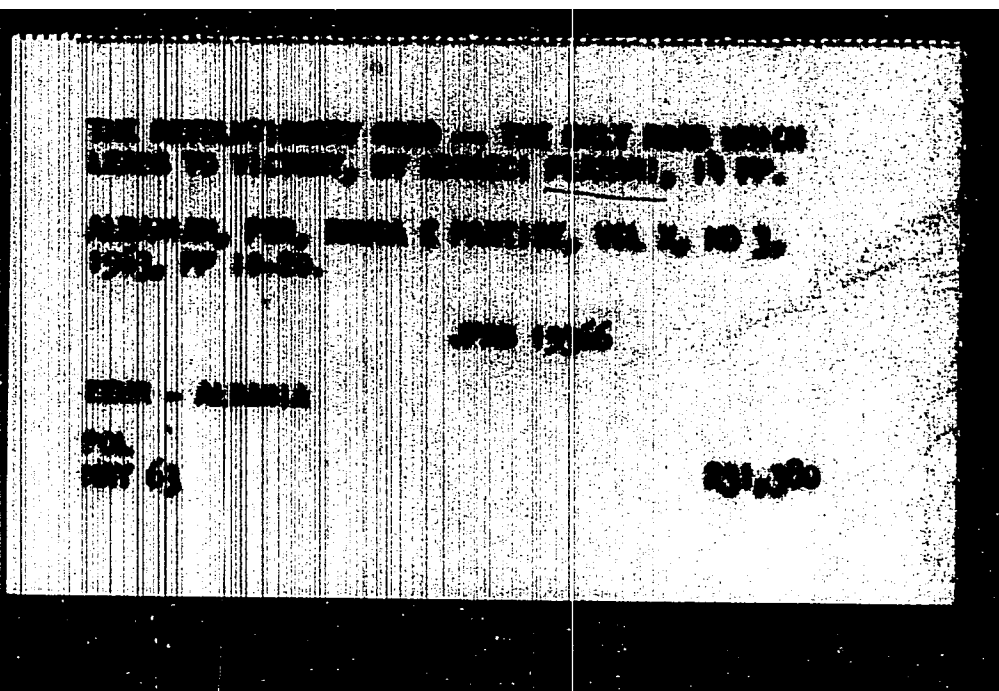
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CIA/FOO Tr 688

EEUR - Albania

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The Steel-Like Unity of the Albanian ~~SSIA~~ People
Around the Albanian Workers Party in the Struggle
For National Liberation and Socialism, by Edreci
Flasari, 11 pp.

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THE GREAT PATRIOTIC STRUGGLE OF THE SOVIET UNION,
A DECISIVE FACTOR IN THE VICTORY OVER FASCISM,
BY NDRECI PLASARI, THANAS LECI, 16 PP.

ALBANIAN, PER, RRUGA E PARTISE, VOL IX, NO 6,
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EEUR - ALBANIA
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of the Albanian Communist Party, by Ndreci Plasari,
19 pp.

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EEur - Albania
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REUR - Albania
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Mar 62

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Fault Finding on PET Cables with Cable Fault
Detectors. By L. Grevolund, A. Plöschke.
GLESAN, rpt, Sydsk Telefon, Tjenstlige
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A. Plöschke

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July 69

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Methods for the Measurement of Very
High Electric Resistances and
of Low Capacitances, by H. T. Plasencia.
FRENCH, per, Rev Gen Elec, Vol LX, No 5,
May 1951, pp 209-212.
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H. T. Plasencia

U. S. GOVERNMENT USE ONLY

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Jul 66

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by Dr. Gustavo Cardelle, ~~XXXX~~ Dr. Francisco Cao,
Dr. Juan Ebbil, Jr., Mr. Rafael Plasencia, 17 pp.

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No 4, 1952, pp 3-15.

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Jul 53 CTS/DEX

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Ground Water Regime in Pine Plantations in the
Donets Steppe, by A. V. Plashchev, 5 pp.

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Col W. K.

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Military-Navigation

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Educational Instituti

Scientific-
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Partial TR

hkr 220pp

A9250

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Navv 2r/CH A-150, 62 pp.

(FDD 26393)

Course on Navigational Instruments 1949, by N. K. Plashchinskiy, 13 pp.

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1949, Moscow, pp 39, 40, 60, 61, 80, 81.

CIA/FDD U-8533

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Sci - Engineering, gyrocompass

Aging of Ceramic Dielectric Insulation at
High-Frequency Voltages, by I. E. Balygin,
N. T. Flashchinskiy, 4 pp.

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No 8, 1958, pp 1692-1695.

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Sov Phys-Tech Phys
Vol III, No 8

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Mar 59

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Electrical Conductivity of Ceramic Materials in
Strong Electric Fields, by I. E. Balygin, M. T.
Plashchinskiy, 7 pp.

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Jan 1957, pp 138-146.

Amer Inst of Phys
Sov Phys, Tech Phys
Vol II, No 1

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Sci - Phys

Jan 58

Experience in Partial Medical Processing of
those Arbitrarily afflicted by Bacterial Agents
at the Medical Aid Station, by A. S. Plashkevich

RUSSIAN, mo per, Voenno Med Zhur, No 1, Moscow,
Jan 1961, pp 19-21.

US JPRS 9169

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May 61

Polarographic Determination of Cadmium in Lead
and Copper Ores, by Z. Plasil, D. Weiss.
CZECH, per, Rudy (Prague) Vol. 5: 1957, pp 1-4
GB/152

Z. PLASIL

Sci -
Aug 67

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Nuclear Reaction (α , n) for the Determination of
Certain Elements in Solution, by I. N. Flaskin, et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 2,
1961, pp 424-426.

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Jul 62

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OF GASES AND REAGENTS, BY I. N. PLASKIN, ET AL.

RUSSIAN, PER, TRUDY INSTITUTA GORNOGO DELA AK
NAUK SSSR, VOL 11, 1955, PP 193-205.

WLL RTS 1936

SCI - ENGR

JUN 62

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On the Mechanism of Action of Certain Reagents and
the Aeration of the Pulp During Coal Flotation, by
V. I. ~~Kel~~ Klassen, I. N. Plaskin.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 3, 1954, pp 62-71.

MLL M. 4257

Sci - Min/Metals

May 62

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Study of the Interaction of Reagents With Minerals
Exam During Flotation by Microautoradiograph
Method, by I. N. Plaskin, et al.

RUSSIAN, no per, Zavod Lab, No 3, Mar 1957.

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Sci - Physics
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Use of a mixture of Methyl and High-Molecular Xanthates in
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1964, pp 8-184

CHL/T 1760

I. N. PLASKIN

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Hydrometallurgy. The Technology of Hydro-
metallurgical Processes, by J. N. Fleskin
and D. M. Yakhtanov, 49 pp.

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SIA R-1522

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The Technology of Hydrometallurgical Processes,
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RUSSIAN, manuscript. (Paragraphs 4, 6, 7, 8, 10).
No Journal Cited.

SIA R-1557

Sci

Aug 58

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Practical Cooperation Within the Framework of the
Council for Mutual Economic Assistance, by S. Plachin.
Internal Economic Relations of Bloc Countries (29).

RUSSIAN, per, Vneshehnaya Torgovlya, No 10, 1960,
pp 16-19.

FEB 28 1960

Editor - Soviet Bloc

Topic - International Economic Cooperation

May 61

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PNEUMATIC OR ELECTRICAL SYSTEM IN THE CHEMICAL
INDUSTRY, BY ANDRZEJ PLASKOWSKI, 5 PP.

POLISH, PER, PRZEMYSŁ CHEMICZNY, NO 7, 1962,
PP 348-349.

JPRS 15358

EEUR - POLAND
ECON
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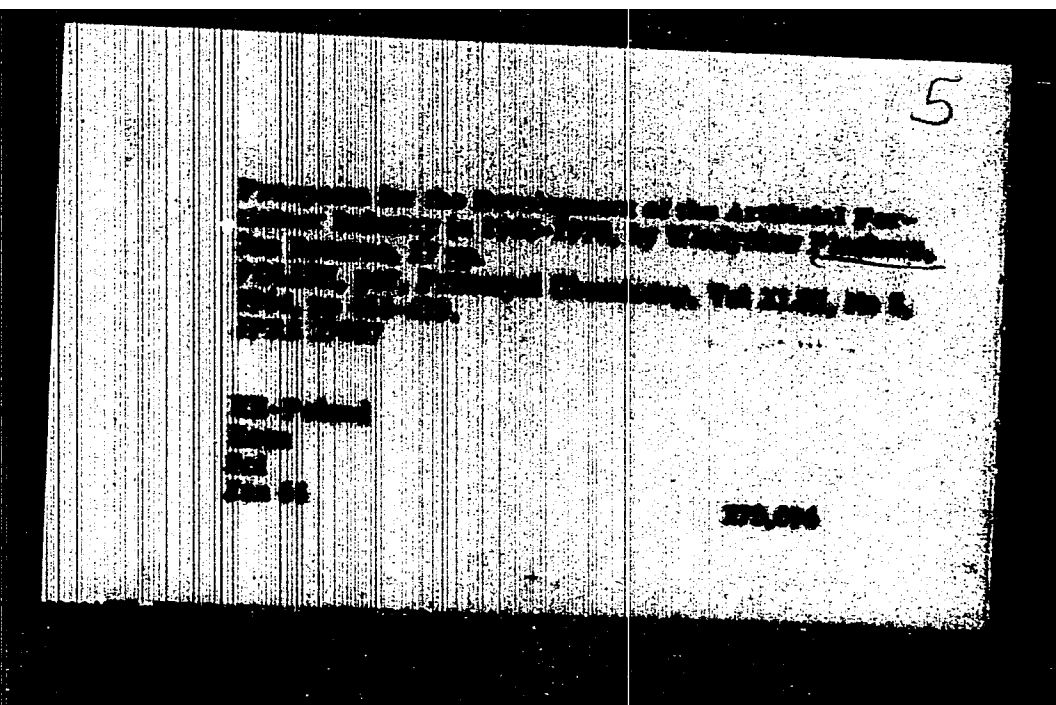
TEN YEARS OF THE BASIC M CHEMICAL SYNTHESIS INDUSTRY
1951-1960, BY WLADYSLAW PLASKURA, ZOLZISLAW
LADOWSKI, 10 PP.

POLISH, PER, PRZEMYSŁ CHEMICZNY, NO 7, 1962,
PP 345-348.

JPRS 15358

EEUR - POLAND
ECON
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Process and Device for Molding Plastic Material
Receptacles, by Burelle, Pierre, and Plasticomium,
9 pp.

FRENCH, French Patent No 1,029,536.

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Patent Office
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Sci - Engineering

Apr 57 CTS

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Plasma of an Electric Arc, by S. A.
Shipitsyn, V. V. Plastinin. 4 pp.

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No 6, 1959, pp 169-171.

MDF S-167
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Spectral Analysis of Micas, by V. V. Plastinin,
3 pp.

RUSSIAN, per, Zavod Lab, Vol XXV, No 5, 1959,
pp 577-579.

SLA 61-23736
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Jun 60

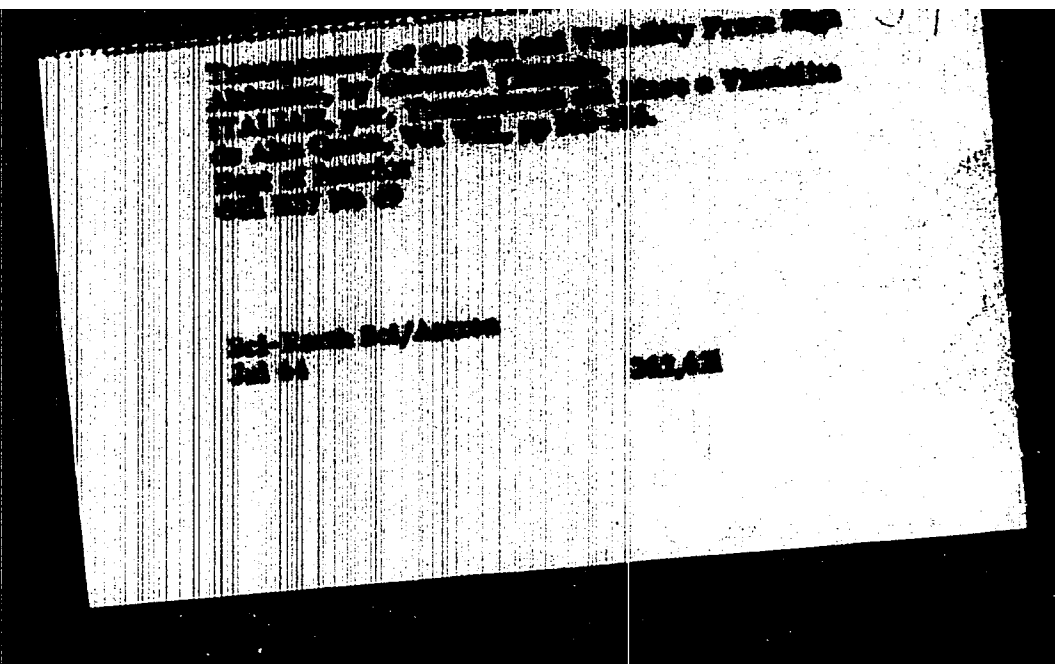
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115,502



The Preparation of Organosilicon Derivatives of Bicyclo-
(2,2,1)-Heptane, by A. D. Petrov, A. F. Plate, E. A.
Chernyshev, 8 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 4, 1961,
pp. ~~1199-1208~~

1199-1208

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Sci
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Condensation of Cyclopentadiene with Aliphatic Dienes.
III. Isomerization of 2-Vinyl and 2-Propenylbicyclo
(2.2.1) heptene-5 to the 4,9,7,8-Tetrahydroindene
System, by A.F. Plate, N.A. Belikova, 3pp.

RUSSIAN, per Zhur Oshch Khim,
Vol. XXXI, No.1, 1961, pp. 129-130,
131-135

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Mar 62

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Plate, A. F. and Batuev, M. I.
SIMULTANEOUS CATALYTIC CONVERSION OF CYCLOPENTENE TO CYCLOPENTANE AND TO CYCLOPENTADIENE. [1961] 7p. 6 refs.
Order from OTS or SLA \$1.10

61-20120

Trans. of Zhurnal Obshchei Khimii (USSR) 1946, v. 16 [no. 6] p. 805-810.

Another trans. is available from LC or SLA at \$1.80, ph \$1.80 as 61-13632, DSIR LLU M. 2137 [1960] 5p.

DESCRIPTORS: *Cyclopentenes, Chemical reactions, *Cyclopentanes, *Cyclopentadiene, Synthesis, Chromium catalysts, Catalysis, Pentenes, Pentanes.

For abstract see Technical Translations 5: 122, 1961.

(Chemistry--Organic, IT, v. 6, no. 11)

61-20120

I. Plate, A. F.
II. Batuev, M. I.

Office of Technical Services

Plate, A. F. and Tarasova, G. A.
FORMATION OF AZEOTROPIC MIXTURES OF
OLEFINS WITH PRIMARY ALCOHOLS IN SYNTHESIS
OF OLEFINS USING ORGANOMAGNESIUM COM-
POUNDS. [1961] 6p. 9 refs.
Order from OTS or SLA \$1.10 61-18006

Trans. of Akademiya Nauk SSSR. Otdelenie Khimi-
cheskikh Nauk. Izvestiya, 1941, no. 1, p. 201-205.

DESCRIPTORS: *Alcohols, Synthesis, *Ethylenes,
*Mixtures, Oxidation, Hydrolysis, Fractionation,
Hydrocarbons, Magnesium compounds.

In synthesis of olefins from alkylmagnesium halides
and allyl chloride, a primary alcohol is formed by
oxidation of alkylmagnesium halide followed by hydroly-
sis of the obtained alcoholate. This alcohol forms with
the synthesized olefin an azeotropic mixture with a
minimum boiling point. Thus, 1-heptene forms with
(Chemistry--Organic, TT, v. 6, no. 9) (over)

61-18006

I. Plate, A. F.
II. Tarasova, G. A.

Office of Technical Services

Plate, A. F., Mel'nikov, A. A., and Ovezova, A. A.
OXIDATION OF OLEFINS WITH PERFORMIC ACID.
[1960] 5p.

Order from ATS \$6.00

ATS-94M43R

Trans. of *Zhurnal Obshchey Khim[ia] (USSR) 1960,
v. 30, no. 4, p. 1256-1258.

(Chemistry--Organic, TT, v. 5, no. 6)

61-12309

1. Ethylenes--Oxidation
2. Formic acid--Chemical reactions

- I. Plate, A. F.
- II. Mel'nikov, A. A.
- III. Ovezova, A. A.
- IV. ATS-94M43R
- V. Associated Technical Services, Inc.,
East Orange, N. J.

Office of Technical Services

Platé, A. P. and Tarasova, G. A.
PREPARATION OF p-CYMENE FROM SULFATE
TURPENTINE. [1961] 5p. 15 refs.
Order from OTS or SLA \$1.10

61-18232

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1944,
v. 17, p. 576-579.

DESCRIPTORS: *Cymenes, Catalysts, Toluenes,
*Turpentine, *Sulfate pulp, Chemical analysis.

Conversions of sulfate turpentine were investigated at
380-520° in the presence of mixed catalysts contain-
ing chromic oxide of molybdenum oxide carried on
alumina and also in the presence of a synthetic alumi-
nosilicate. In the presence of the first two of these
catalysts a yield of the cymene fraction was obtained
at 400° reaching 60% on the turpentine or 77% when
calculated on α -pinene and β -carene contained in the
(Engineering-Chemical, TT, v. 6, no. 12) (over)

61-18232

I. Platé, A. P.
II. Tarasova, G. A.

Office of Technical Services

61-16981

Plata, A. F. and Tarasova, G. A.
MECHANISM OF CONTACT CONVERSIONS OF HY-
DROCARBONS ON A VANADIUM CATALYST.

II. KINETICS OF CYCLIZATION OF NORMAL
HEPTANE [Mekhanizm Kontaknykh Prevraschenii
Uglevodorodov na Vanadievom Katalizatore]. [1961]
7p. 17 refs.

Order from OTS or SLA \$1.10

61-16981

Trans. of Zhurnal Obshchei Khimii (USSR) 1943, v. 13
[no. 1/2] p. 36-40.

DESCRIPTORS: *Hydrocarbons, *Heptanes, Cyclo-
hexane, Dehydrogenation, Vanadium catalysts, Mono-
cyclic compounds.

It was established that the total reaction of dehydro-
genation of normal heptane on vanadium catalyst fol-
lows the Arrhenius equation and that the apparent en-
ergy of activation of this reaction is 41,100 cal per
(Chemistry--Organic, TT, v. 6, no. 7) (over)

- I. Title: Contact conversion
- I. Plata, A. F.
- II. Tarasova, G. A.
- III. Title: Kinetics...

Office of Technical Services

Plate, A. F. and Tarasova, G. A.
MECHANISM OF CONTACT CONVERSIONS OF HY-
DROCARBONS ON A VANADIUM CATALYST.
I. CONTACT CONVERSIONS OF NORMAL HEP-
TANE [Mekhanizm Kontaknykh Prevrashchenii
Uglevodopodov na Vanadievom Katalizatore]. [1961]
15p. 26 refs.

Order from OTS or SLA \$1.60

61-16982

Trans. of Zhurnal Obshchei Khimii (USSR) 1943, v. 13,
[no. 1/2] p. 21-35.

DESCRIPTORS: *Hydrocarbons, *Heptanes, Dehydro-
genation, Vanadium catalysts, Monocyclic compounds.

Dehydrogenation of normal heptane on the vanadium
trioxide-alumina catalyst was investigated within the
temperature interval of from 440 to 510°. The veloc-
ity of the total reaction of dehydrogenation was indi-
cated by the amount of gas (hydrogen) liberated per 3
minutes, and it was established that the change of the
(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-16982

- I. Title: Contact conversion
- I. Plate, A. F.
- II. Tarasova, G. A.
- III. Title: Contact...

Office of Technical Services

Plate, A. F. and Sterligov, O. D.
MECHANISM OF CONTACT CONVERSIONS OF HY-
DROCARBONS ON A VANADIUM CATALYST. III.
CONTACT CONVERSIONS OF ETHYLCYCLOPENTANE
[Mekhanizm Kontaknykh Prevraschenii Uglevodorodov
na Vanadievom Katalizatore. III. Kontaknye
Prevrascheniya Etiltsiklopentana]. [1961] 12p. 27 refs.
Order from OTS or SLA \$1.60 61-16980

Trans. of Zhurnal Obshchei Khimii (USSR) 1943, v. 13
[no. 3] p. 202-212.

Another translation is available from SLA as RT-3858.

DESCRIPTORS: *Hydrocarbons, *Cyclopentanes, Hy-
drogenation, Dehydrogenation, Vanadium catalysts,
Ethyl radicals, Monocyclic compounds.

Dehydrogenation of ethylcyclopentane on a vanadium
catalyst was investigated between 440 and 500°. On this
catalyst ethylcyclopentane undergoes a number of con-
versions, among which the following were so far estab-
(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-16980

1. Title: Contact conversion
- I. Plate, A. F.
- II. Sterligov, O. D.
- III. Title: Contact...

Office of Technical Services

Platz, A. F., Sterligov, O. D., and Bazhulin, P. A.
HYDROCARBONS OF THE SERIES OF CYCLOPENTANE WITH A DOUBLE BOND IN THE SIDE CHAIN:
4-CYCLOPENTYL-2-BUTENE AND 3-CYCLOPENTYL-1-BUTENE. [1961] 6p. 16 refs.
Order from OTS or SLA \$1. 10

61-18214

Trans. of Zhurnal Obshchei Khimii (USSR) 1944, v. 14, p. 955-959.

DESCRIPTORS: *Hydrocarbons, *Cyclopentanes, *Butenes, Synthesis, Raman spectroscopy.

Interaction of cyclopentylmagnesium chloride with the product of addition of 1 molecule of hydrogen bromide to butadiene forms a mixture of unsaturated hydrocarbons from which 3-cyclopentyl-1-butene was isolated in pure state and 4-cyclopentyl-2-butene as a mixture of its cis and trans isomers. The structure of these olefins was proved by a study of their Raman spectra. (Author)
(Chemistry--Organic, TT, v. 6, no. 7)

61-18214

I. Platz, A. F.
II. Sterligov, O. D.
III. Bazhulin, P. A.

Office of Technical Services

Plate, A. F.
MECHANISM OF CONTACT CONVERSIONS OF HY-
DROCARBONS ON A VANADIUM CATALYST. V.
SIMULTANEOUS HYDROGENATION AND DEHYDRO-
GENATION OF CYCLOOLEFINS (CYCLOHEXENE
AND CYCLOPENTENE) [Mekhanizm Kontaknykh
Prevrashchenii Uglevodorodov na Vanadievom
Katalizatore]. [1961] 10p. 34 refs.
Order from OTS or SLA \$1.10

61-18246

Trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15
[no. 3] p. 156-164.

DESCRIPTORS: *Hydrocarbons, *Cyclohexenes,
*Cyclopentenes. Hydrogenation, Dehydrogenation,
Vanadium catalysts, Monocyclic compounds.

Investigation of the behavior of cyclohexene in the
presence of vanadium trioxide on aluminum oxide as a
catalyst revealed the diversity and complexity of the
conversions occurring, which should be taken into ac-
(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-18246

1. Title: Contact conversion
- I. Plate, A. F.
- II. Title: Simultaneous...

Office of Technical Services

Plate, A. F.
**CATALYTIC AROMATIZATION OF PARAFFIN HY-
DROCARBONS.** [1961] 26p. 82 refs.
Order from OTS or SLA \$2.60 61-16877

Trans. of Uspekhi Khimii (USSR) 1940, v. 9, no. 11/12,
p. 1301-1382.

DESCRIPTORS: *Hydrocarbons, *Aliphatic compounds,
Synthesis, Catalysts.

The experimental material on catalytic aromatization of
paraffins reported in the scientific and patent literature
up to 1940 is reviewed, giving a brief history of the
problem and citing some early Russian work on the sub-
ject. This material is far from exhausting the problem,
and much information in this field remains unstated or
hidden behind patent claims. (Author)

(Chemistry--Organic, TT, v. 6, no. 7)

61-16877

I. Plate, A. F.

Office of Technical Services

Plate, A. F.
METHODS OF PREPARATION OF TOLUENE. [1961]
25p. 138 refs.
Order from OTS or SLA \$2.60

61-16977

Trans. of Uspekhi Khimii (USSR) 1943, v. 12,
p. 189-208.

DESCRIPTORS: *Toluenes, Synthesis.

A review of Russian and non-Russian published information on the methods of preparation of toluene is given including its isolation from coal tar and from natural petroleum, as well as production by pyrolysis of natural hydrocarbon gases, processing of cracked gases, pyrolysis of fractions of petroleum oil, destructive hydrogenation of coal and shales, conversion of other aromatics, catalytic dehydrogenation of methylcyclohexane and catalytic cyclization of heptane. The highest yield of coal tar toluene corresponds to a coking temperature of 700 or 800°. (Author)
(Chemistry--Organic, TT, v. 6, no. 7)

61-16977

1. Plate, A. F.

Office of Technical Services

Plate, A. F.

CATALYTIC CONVERSIONS OF NORMAL HEXYL-
CYCLOPENTANE. [1961] Sp. 11 refs.

Order from OTS or SLA \$1.10

61-18007

Trans. of Akademiya Nauk SSSR. Otdelenie Khimi-
cheskikh Nauk. Izvestiya, 1941, no. 1, p. 206-210.

DESCRIPTORS: *Cyclopentanes, *Catalysts, Gasoline,
Catalysis, Hydrocarbons, Petroleum, Dehydrogenation,
Hexyl radicals.

The behavior of normal hexylcyclopentane was investi-
gated in the presence of platinized carbon at 290-300°
and in the presence of oxide catalysts promoting
aromatization of paraffins at 450-475°. In the first
case, scission of the five-member ring occurs in the
presence of hydrogen and a mixture of undecanes is
formed. In the second case, 20-30% aromatic hydro-
carbons are also formed. Thus, dehydrocyclization of
(Chemistry--Physical, TT, v. 6, no. 8) (over)

61-18007

I. Plate, A. F.

105130

Office of Technical Services

61-18251

Plate, A. F. and Tarasov, G. A.
MECHANISM OF CONTACT CONVERSIONS OF HY-
DROCARBONS ON A VANADIUM CATALYST. IV.
DEHYDROGENATION OF SIX-MEMBERED RINGS.
[1961] 9p. 12 refs.

Order from OTS or SLA \$1.10

61-18251

Trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15,
p. 120-130.

DESCRIPTORS: *Hydrocarbons, *Cyclohexanes,
Methyl radicals, Dehydrogenation, *Vanadium, Cata-
lysts, Catalysis

Dehydrogenation of cyclohexane and of methylcyclohex-
ane was investigated on a vanadium catalyst within the
temperature interval of 440 to 500°. The principal re-
action consists in this case in the formation of aro-
matics and the corresponding cycloolefins. Simultane-
(Chemistry--Organic, TT, v. 6, no. 10) (over)

- I. Plate, A. F.
- II. Tarasov, G. A.
- III. Title: Dehydrogenation ...

Office of Technical Services

Hydrogenation of Di-2-Cyclopenten-1-Ylacetylene

Hydrogenation of Di-2-Cyclopenten-1-Ylacetylene
Over Pd, Pt, and Ni Catalysts, by A. F. Plate,
V. I. Stanko, 8 pp

RUSSIAN, per, Iz Ak Nauk, SSSR, Otdel Khim
Nauk, No 8, 1960, pp 1481-1489.

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Sep 61

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Plate, A. F. and Tarasova, L. V.
ISOMERIZATION OF CYCLOHEXANE TO METHYL-
CYCLOPENTANE IN THE PRESENCE OF ALUMINUM
CHLORIDE UNDER HYDROGEN PRESSURE. [1962] 5p.
Order from ATS \$7.25
ATS-24P66R

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1953,
v. 89, no. 1, p. 77-80.

DESCRIPTORS: *Cyclopentanes, *Pentanes, *Methyl
radicals, *Cyclohexanes, *Hexanes, *Aluminum com-
pounds, *Chlorides, Hydrogen, Pressure, Isomerization

(Chemistry--Physical, TT, v. 9, no. 11)

63-12606

- I. Plate, A. F.
- II. Tarasova, L. V.
- III. ATS-24P66R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Oxidation of 1-Alkyl-1-Cyclopentenones by Performic Acid
as a Method of Synthesizing 2-Alkyl-1-Cyclopentanones,
by A. F. Plate, A. A. Mel'nikov, 8 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 3, 1960,
pp 935-942.

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Preparation of Dicyclopentylmethane and 1,3-
Dicyclopentylpropane from Cyclopentadiene, by
A. E. Plate, V. I. Stenko, 4 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 12, 1958, pp 1472-1475.

Consultants Bureau

Sci

Apr 60

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Synthesis of 1,1-Dicyclopentylethane and 1,2-Dicyclopentylpropane from cyclopentadiene,
by V. I. Stanko, A. F. Platf, 5 pp.

RUSSIAN, per, Iz, Ak Nauk SSSR, Otdel Khim
Nauk, No 1, 1959, pp 115-120.

Consultants Bureau

Sci - Chem

Apr 60

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Organic Insectofungicides. XXXV. Reaction of
1,1-Difluorotetrachlorocyclopentadiene with
some Unsaturated Compounds, by S. D. Volodkovich,
N. K. Mel'nikov, A. F. Plete, M. A. Pryanishnikova,
3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII,
No 11, 1958, pp 3123-3127.

Consultants Bureau

Sci

Dec 59

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Report on the Interaction of Dialkyltetramethylenesilane
With Concentrated Sulphuric Acid, by A. F. Plate,

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol CII, 1955,
pp 1131-1134.

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S&I - Chemistry
Mar 58

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Poisoning Action of Some Silanes on Platinum Catalyst, by A. F. Plate, N. A. Belikova, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 9, 1957, pp 2468-2472.

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Sci - Chem
Oct 58

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Reaction of Silacyclopentanes and Silacyclohexanes
with Concentrated Sulfuric Acid, by A. F. ~~Plat~~
H.A. Belikova, Yu. P. Egorov, ~~pp~~ 6 pp.

RUSSIAN, per Iz Ak Nauk, SSSR, Otel Khim Nauk,
No 9, Sep ~~1977~~ pp 1085-1090.

1956

Consultants Bureau

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Jul 77

Optical Method of Investigation ^{in 4} Hydrocarbons.
Communication 9. Raman Spectra of Some Naphthenes,
by F. A. Bazhulin, A. I. Sokolovskaya, N. A.
Belikova, A. L. Liberman, A. F. Plata, 5 pp.

RUSSIAN, per Iz Ak Nauk SSSR, Otel Khim Nauk,
No 9, Sep ~~1957~~, 1130-1134.
1956 *pp.*

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Structural Isomerism of Cycloheptatriene under the
Conditions of the Diels--Alder Reaction.

By E. M. Mil'vitskaya and A. F. Plate, ~~pp~~ 9 *pp*,

RUSSIAN, *per*, Zhur Obshch Khim, Vol XXXII, No 8,
1962, pp. 2566-2575

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Preparation of Cyclopentene from Cyclo-
pentadiene, by A. F. Plate, V. I. Stanko,
2 pp

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No 9, Sep 1957, pp 1148-1149, ?
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Jul 57

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The Simultaneous Conversion of Cyclopentene into
Cyclopentane and Cyclopentadiene in the Presence of
Catalysts., by A. F. Plate, M. K. Batuev (pp. 4)

RUSSIAN, per, Zhur Obsheei Khim, Vol XVI, xx No 6, 1946
pp. 805-810,

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Sci - Chemistry

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Study of Infrared Absorption Spectra of Dicyclic
Hydrocarbons, by S. V. Markoca, P. A. Bashulin,
A. F. Plata, V. I. Stanko, 4 pp

RUSSIAN, per, Optika i Spektro,, Vol VIII, No 4,
1960, pp 492-497

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Oxidation of Olefins by Performic Acid, by A. F.
Flate, A. A. Mel'nikov, A. A. Ovezova, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 4,
1960, pp 1256-1257.

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Oxidation of 1-Phenyl-1-cyclopentane by Performic
Acid and the Synthesis of 1-Methyl- and 1-Ethyl-2-
Phenylcyclopentane, by A. F. Plate, A. A. Mel'nikov,
T. A. Italinskaya, 6 pp.

RUSSIAN, per, Zhur Obshch Khim., Vol XXX, No 4,
1960, pp 1250-1255.

CB

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154,033

Aromatization of Some Homologues of Cyclopentane
and Paraffins in Presence of Platinized Carbon, by
A. F. Plate, B. A. Kazanskiy, 4 pp.

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1937, pp 328-329.

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Mar 1957 CRS/dex

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Optical Method of Investigating Hydrocarbons,
Communication 10. Raman Spectra of Some Naphthenes,
by G. V. Petegudov, S. V. Markova, P. A. Bashulin,
A. F. Plats, E. M. Terentyeva, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, 1957, pp 37-42.

Consultants Bureau

Sci - Chem

May 59

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Preparation of 1,2,3,4,7,7-Hexachlorobicyclo⁰-
(2.2.1)Hepta-2,5-Diene by Condensation of
Hexachlorocyclopentadiene with Acetylene, by
A. F. Flato, G. A. Tarasova, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 7, 1957, pp 873-874.

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Sci - Chem

May 79

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Determination of the Individual Hydrocarbon Composition
of Gasolines by the Combination Method. Communication
4. Gasoline From Tuimazin Petroleum, by B. A.
Kazansky, G. S. Landsberg, A. F. ~~Elata~~, P. A. Bazhulin,
E. A. Mikhaylova, A. L. Liberman, M. N. Sushchinsky,
G. A. Tarasova, S. A. Ukholin, S. V. Voronko, 10 pp.

Full translation.

RUSSIAN, bino per, Iz Ak Nauk BSSR, Otdel Khim Nauk,
No 3, USSR, May-Jun 1954, pp 456-469. CIA D 151316

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Scientific - Chemistry

OTS 68/May 55

Preparation of 1,2-Dialkylcycloalkanes.
Synthesis of the Stereoisomeric 1-Butyl-2-
Methylcyclopentanes, by A. P. Plate, A. L.
Lieberman, N. A. Mamon, 7 pp.

RUSSIAN, bino per, In Ak Nauk SSSR, Otdel Khim
Nauk, No 4, USSR, 1953, pp. 689-696.

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Dec 54 CRS

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Chromium Catalysts in ~~EM~~ Diallyl Aromatization,
by A. F. Plate, M. I. Batuev.

RUSSIAN, per, Dok Ak ~~EM~~ Nauk SSSR, Vol LIX,
No 7, 1948, pp 1305-1308. CIA D 151398

Res Info Sv R.545

Sci - Chemistry
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53 Nassau St., New York 5, N.Y.

Analysis of the Aromatic Components of Ligroin by
Raman Spectroscopy, by B. A. Kazanski, G. S. Lands-
berg, V. T. Aleksanjan, T. F. Bulanova, A. L. Liber-
man, E. A. MikhaYlova, A. F. Plate, Kh. E. Sterin,
S. A. Ukholin, 3 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Ser Fiz,
Vol XVIII, No 6, 1954, pp 704706. CIA C 40664

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Feb 56 CTS/DEX

Determination of the Individual Hydrocarbon
Composition of Gasolines by the Combination
Method. Communication 6. Karachukhursk
Gasoline by B. A. Kazansky, G. S. Landsburg,
A. F. Plate, A. L. Liberman, E. A. Mikhailova,
Kh. E. Sterin, T. F. Bulanova, G. A. Tarasova,
V. T. Aleksanyan, 11 pp.

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Scientific - Chemistry
Mar 56 CES/dex

Preparation of Bicyclo[2·2·1]Hepta-2,5-Diene by
the Condensation of Cyclopentadiene With Acetylene,
by A. F. Flate, M. A. Pryanismikova, 2 pp.

RUSSIAN, no per, Iz Ak Nauk, Otdel Khim Nauk, No 6,
1956, pp 741-742.

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Sci - Chemistry
Feb 57 CTS

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Synthesis, Properties, and Raman Spectra of 1, 4,
4a, 5, 8, 8a-Hexahydro-1, 4:5, 8-Dimethanonaphtha-
lene and Decahydro-1, 4:5, 8-Trimethanonaphthalene,
by A. F. Plate, N. A. Belikova, M. A. Pryanishnikova,
6 pp

RUSSIAN, par, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1960, pp 272-278

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The Mechanism of Contact Transformations of
Hydrocarbons on a Vanadium Catalyst. III.
The Contact Transformations of Ethyl-Cyclo-
Pentane, by A. F. Plate, O. D. Sterligov, 24 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XIII,
No 3, 1943, pp 202-212.

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Reactions of Olefins With Ammonia-Molybdena Catalyst
With the Formation of Acetonitrile, by A. F. Plate,
M. E. Vol'pin

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Determination of the Individual Hydrocarbon
Composition of Gasolines, by the Combination Method,
Communication 2. Two Gasolines From Kazanbulak
Petroleum, by B. A. Kazansky, A. F. Plate,
A. A. Mikhailova, A. L. Liberman, M. I. Batuev,
F. Bulanova, G. A. Tarasova, 10 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 2, 1954, pp 278-291. CIA D 151309

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Scientific - Chemistry

May 55 CTS/DEX

Determination of the Individual Hydrocarbon
Composition of Gasolines by the Combination Method.
Communication 3. Surakhan Gasolines, by B. A.
Kazansky, G. S. Landsberg, A. F. Flate, A. L.
Liberman, E. A. Mikhaylova, F. A. Bashulin, M. I.
Batuev, S. A. Ucholin, T. F. Bulanova, G. A.
Tarasova, 10 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1954, pp 278-291. CIA D 151309

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Scientific - Chemistry

CIS 67/Apr 55

Catalytic Transformations of Amines Over Aluminomolybdenum Catalyst by A. F. ~~Plata~~, M. E. Volpin, E. A. Reformatskaya, and S. V. Zotova, 6 pp.

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Jan 57 CTS

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Determination of the Composition of the Individual
Hydrocarbons of Gasolines by the Combination Method.
Communication 5. Gasoline from Emba Petroleum, by
B. A. Kazansky, G. S. Landsberg, A. F. Plate, P. A.
Bazhulin, A. L. Liberman, E. A. Mikhaylova, M. M.
Sushchinsky, G. A. Tarasova, S. A. Ukholin, S. V.
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Isomerization of Methylcyclopentane Under Pressure
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Konikberg, A. F. Plate, A. E. Gavrilova.

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Assoc Tech Svc
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Scientific - Chemistry

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